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ISO/PAS
19451-2

First edition
2016-07-15

**Application of ISO 26262:2011-2012
to semiconductors —**

**Part 2:
Application of hardware qualification**

*Application de l'ISO 26262:2011-2012 aux semi-conducteurs —
Partie 2: Application de la qualification du matériel*

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Reference number
ISO/PAS 19451-2:2016(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The committee responsible for this document is ISO/TC 22, *Road vehicles*, Subcommittee SC 32, *Electrical and electronic components and general system aspects*.

ISO/PAS 19451 consists of the following parts, under the general title *Road vehicles — Application of ISO 26262:2011-2012 to semiconductors*.

- *Part 1: Application of concepts*
- *Part 2: Application of hardware qualification*

Introduction

This document is an informative guideline which provides users of the ISO 26262 series of standards recommendations and best practices which can be utilized when applying ISO 26262 to semiconductor components and parts. This document was created by a group of industry experts including semiconductor developers, system developers, and vehicle manufacturers in order to clarify concerns seen after the initial release of the ISO 26262 series of standards and when possible to align on common interpretations of the standard.

This document serves to augment the existing normative and informative guidance in the ISO 26262 series of standards. The approach is similar to that taken in writing ISO 26262-10:2012, Annex A, "ISO 26262 and microcontrollers," with extension to additional types of semiconductor technologies and relevant topics.

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